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SCIENCE

A WEEKLY JOURNAL DEVOTED TO THE ADVANCEMENT OF SCIENCE, PUBLISHING THE OFFICIAL NOTICES AND PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

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FRIDAY, FEBRUARY 28, 1902.

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MSS. intended for publication and books, etc., intended for review should be sent to the responsible editor, Professor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

*THE JOHNS HOPKINS UNIVERSITY COMMEMORATIVE ADDRESS.**

THIS is not the time, although it is a birthday, to review the infancy of this University. Reminiscences of the cradle and the nursery are profoundly interesting to a very small number of the near and dear, but according to a formula, which may be stated with mathematical precision, the interest varies inversely as the square of the distance.

It is meet and right and our bounden duty to commemorate the munificence of the founder, who in his grove at Clifton, and at his residence in town, spent the close of his life in perfecting a plan by which his fortune might be made to benefit humanity. Two noble purposes, the education of youth and the relief of suffering,—the Johns Hopkins University and the Johns Hopkins Hospital, became the objects of his thought and bounty. It would be pleasant to dwell upon the personalities of his early advisers,—three of whom may now witness our fervent congratulations. We might journey with them to Cambridge, New Haven, Ithaca, Ann Arbor, and Charlottesville, as they engaged in enquiries respecting the nature and offices of those leading universities, an example of original research, praiseworthy and beneficial. We might sit with them in a little room on North Charles Street, and listen to Presidents Eliot, Angell, and White as they were subjected to 'interviews,' recorded by the swift strokes of the stenographic pen, and now preserved in our archives. We might wonder by what process the Trustees selected a president, and be willing to learn what he said to them in his earliest conversation. It would gratify some curiosity to review the correspondence carried on with those who afterward became members of the faculty,—and with those who did not. It would be an extraordinary pleasure to the speaker on this occasion, to awaken the memories of those early days of unbounded enthusiasm and unfettered ideality, well described in a periodical by one who was here at the outset,—days which surprised and delighted intelligent observers.

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* By Daniel C. Gilman, President of the Johns Hopkins University from 1875 to 1901, on the occasion of the celebration of the twenty-fifth anniversary of the founding of the university.

These temptations must be avoided. The occasion is too important, the audience too varied, the visitors too many and too distinguished, to warrant the employment of this brief hour in personal reminiscences and local congratulations. We are rather bound to consider some of the grave problems of education which have engaged, during a quarter of a century, the study of able and learned men, and have led to the development, in this country, of the idea of the University. This period has seen marvellous improvements in higher education, and although, in the history of intellectual development, the nineteenth century may not be as significant as the thirteenth, when modern universities came into being at Bologna, Paris, and Oxford, yet we have lived at a time when forces have been set to work of the highest significance. Libraries, seminaries and laboratories have been enlarged and established in every part of the land.

Let us go back to the year 1876, that year of jubilee, when the centennial celebration in Philadelphia brought together, in open concord, states and peoples separated by dissension and war. Representatives from every part of the land assembled, in the City of Brotherly Love, to commemorate the growth of a century. The triumph of liberal and industrial arts, the progress of architecture, sculpture, and painting, were interpreted by the music of our Sidney Lanier. The year was certainly propitious. So was the place. Maryland was a central state, and Baltimore a midway station between the North and the South. The people had been divided by the war, but there were no battle fields in our neighborhood to keep in mind the strife of brethren. The State of Maryland had been devoted to the idea of higher education ever since an enthusiast in the earliest colonial days projected the establishment of a university on an island in the Susquehanna. Liberal charters had been granted to colleges, of which St. John's, the successor of the first free school, must have honorable mention, a college likely to be increasingly useful during the twentieth century. The University of Maryland, with scanty resources, encouraged professional training in law, medicine, and the liberal arts (nominally also, in theology), but its efforts were restricted by the lack of funds. Nathan R. Smith, David Hoffman and other men of eminence were in the faculty. The Catholic Church had established within the borders of the state a large number of important schools of learning. One of them, St. Mary's College, under the cultivated fathers of St. Sulpice, had been the training place of some of the original promoters of the Johns Hopkins University. Yet there was nothing within the region between Philadelphia and Charlottesville, between the Chesapeake and the Ohio, which embodied, in 1876, the idea of a true university. Thus it appears that the time, the place and the circumstances, were favorable to an endowment which seemed to be extraordinarily large, for the munificence of Rockefeller, Stanford and Carnegie could not be foreseen.

The founder made no effort to unfold a plan. He simply used one word,—UNIVERSITY,—and he left it to his successors to declare its meaning in the light of the past, in the hope of the future. There is no indication that he was interested in one branch of knowledge more than in another. He had no educational 'fad.' There is no evidence that he had read the writings of Cardinal Newman or of Mark Pattison, and none that the great parliamentary reports had come under his eye. He was a large minded man, who knew that the success of the foundation would depend upon the wisdom of those to whom its development was entrusted; and the Trustees were large minded men who knew that their efforts must be guided by the learning, the experience, and the devotion of the Faculty. There was a natural desire, in this locality, that the principal positions should be filled by men with whom the community was acquainted, but the Trustees were not governed by an aspiration so provincial. They sought the best men that could be found, without regard to the places where they were born, or the colleges where they had been educated. So, on Washington's birthday, in 1876, after words of benediction from the President of Harvard University, our early counsellor and our constant friend, the plans of this University were publicly announced in the President's inaugural speech.

As I cast my thoughts backward, memories of the good and great who have been members of our society rise vividly before us,—benefactors who have aided us by generous gifts, in emergencies and in prosperity; faithful guardians of the trust; illustrious teachers; and brilliant scholars who have proceeded to posts of usefulness and honor, now and then in Japan, in India, in Canada, but most of them in our own land, from Harvard to the Golden Gate.

I must not linger, but lead you on to broader themes. May I venture to assume that we are an assembly of idealists. As such I speak; as such you listen. We are also practical men. As such, we apply ourselves to useful purposes, and to our actions we apply the test of common sense. Are our aims high enough? are they too high? are our methods justified by experience? are they approved by the judgment of our peers? can we see any results from the labors of five and twenty years? can we justify a vigorous appeal for enlargement? These and kindred questions press themselves for consideration on this memorial day. But in trying to answer them, let us never lose sight of the ideal,—let us care infinitely more for the future than we do for the past. Let us compare our work with what is done elsewhere and with what might be done in Baltimore. In place of pride and satisfaction, or of regret that our plans have been impeded, let us rejoice that the prospects are so encouraging, that the opportunities of yesterday will be surpassed to-morrow.

If it be true that 'the uses of Adversity' are sweet,—Adversity that 'wears yet a precious jewel in his head,' let us look forward to leaving our restricted site for a permanent home where our academic life will be 'exempt from public haunt,' where we shall 'find tongues in trees, books in the running brooks, sermons in stones, and good in every thing.' In faith and hope and gratitude, I have a vision of Homewood, where one person and another will build the structures of which we stand in so much need,—where scholarship will have its quiet retreat, where experimental science will be removed from the jar of the city street, where health and vigor will be promoted by athletic sports in the groves of Academus. The promised land which Moses sees from Pisgah, our Joshua will possess.

Some curious parallels, familiar to the readers of history, may here be brought to mind. Thrice, in three centuries, great universities have arisen with their healing influence at the close of long wars. In familiar language, Motley tells us how the university of Leyden was established by the Dutch Republic, after the fearful siege which that brave city had endured. On the 5th of February, 1575, three hundred years before our natal day, the city of Leyden crowned itself with flowers, and 'with harmless pedantry, interposed between the acts of the longest and dreariest tragedy of modern times,' celebrated the new foundation. Allegorical figures moving in procession escorted the orator of the day, the newly appointed professors and other dignitaries, to the cloister of Saint Barbara where with speech and banquet they celebrated the day. Ever since, Leyden has been a noble seat of learning, and many of our own countrymen in early days resorted to it. The university of Berlin was established after the humiliation of Prussia by the Napoleonic wars. William von Humboldt has many titles to fame,—but none of his laurels are so fresh as the wreaths which crown his brow as the founder of that great university to which so many of the foremost scholars of Europe have been called, from F. A. Wolf to Van't Hoff. Within the memory of most of us, the university of Strasburg sprang into life at the close of the Franco-Prussian war. The German Emperor could see no better way of giving peace and prosperity to the captured province, than by making it the seat of a great university.

At the close of our civil war came the opportunity of Baltimore. It led to an extraordinary and undesigned fulfilment of an aspiration of George Washington. As his exact language is not often quoted, I venture to give it here. In his last will and testament, after expressing his ardent desire that local attachments and State prejudices should disappear, he uses the following words.

> "Looking anxiously forward to the accomplishment of so desirable an object as this is (in my estimation), my mind has not been able to contemplate any plan more likely to effect the measure, than the establishment of a University *in a central part of the United States,* to which the youths of fortune and talents from all parts thereof may be sent for the completion of their education, in all the branches of polite literature, in arts and sciences, in acquiring knowledge in the principles of politics and good government, and, as a matter of infinite importance in my judgment, by associating with each other, and forming friendships in juvenile years, be enabled to free themselves in a proper degree from those local prejudices and habitual jealousies which have just been mentioned, and which, when carried to excess, are never-failing sources of disquietude to the public mind, and pregnant of mischievous consequences to this country."

You will please to notice that he did not speak of a university in Washington, but of a university 'in the central part of the United States.' What is now the central part of the United States? Is it Chicago or is it Baltimore?

Let me now proceed to indicate the conditions which existed in this country when our work was projected. You will see that extraordinary advances have been made. The munificent endowments of Mr. John D. Rockefeller and of Mr. and Mrs. Leland Stanford,—the splendid generosity of the State legislatures in Michigan, Wisconsin, Minnesota, California, and other Western States, the enlarged resources of Harvard, Yale, Columbia, Princeton, Pennsylvania and other well established universities, and now the unique and unsurpassed generosity of Mr. Carnegie have entirely changed the aspects of liberal education and of scientific investigation.

As religion, the relation of finite man to the Infinite, is the most important of all human concerns, I begin by a brief reference to the attitude of universities toward Faith and Knowledge. The earliest universities of Europe were either founded by the Church or by the State. Whatever their origin, they were under the control, to a large extent, of ecclesiastical authorities. These traditions came to our country, and the original colleges were founded by learned and Godly men, most of them, if not all, the ministers of the gospel. Later, came the State universities and later still, the private foundations like that in which we are concerned. Gradually, among the Protestants, laymen have come to hold the chief positions of authority formerly held by the clergy. The official control, however, is less interesting at this moment than the attitude of universities toward the advancement of knowledge. To-day, happily, apprehensions are not felt, to any great extent, respecting the advancement of science. It is more and more clearly seen that the interpretation of the laws by which the universe is governed extending from the invisible rays of the celestial world to the most minute manifestations of organic life reveal one plan, one purpose, one supreme sovereignty—far transcending the highest conceptions to which the human mind can attain respecting this sovereign and infinite Power. Sectarian supremacy and theological differences have dwindled therefore to insignificance, in institutions where the supreme desire is to understand the world in which we are placed, and to develop the ablest intellects of each generation, subservient to the primeval injunction 'replenish the earth and subdue it; and have dominion over the fish of the sea, and over the fowl of the air, and over every living thing that moveth upon the earth.' Notwithstanding these words, the new Biology, that is the study of living creatures, encountered peculiar prejudices and opposition. It was the old story over again. Geology, early in the century, had been violently attacked; astronomy, in previous centuries, met its bitter opponents; higher criticism is now dreaded. Yet quickly and patiently the investigator has prosecuted and will continue his search for the truth, —heedless of consequences, assured by the Master's words,—'the Truth shall make you free.'

Still the work goes on. Science is recognized as the handmaid of religion. Evolution is regarded by many theologians as confirming the strictest doctrines of predestination. The propositions which were so objectionable thirty years ago are now received with as little alarm as the propositions of Euclid. There are mathematicians who do not regard the Euclidean geometry as the best mode of presenting certain mathematical truths, and there are also naturalists who will not accept the doctrines of Darwin, without limitation or modification, but nobody thinks of fighting over the utterances of either of these philosophers. In fact, I think it one of the most encouraging signs of our times that devout men, devoted to scientific study, see no conflict between their religious faith and their scientific knowledge. Is it not true that as the realm of Knowledge extends the region of Faith though restricted remains? Is it not true that Science to-day is as far from demonstrating certain great propositions, which in the depths of our souls we all believe, as it was in the days of the Greek philosophers? This university, at the outset, assumed the position of a fearless and determined investigator of nature. It carried on its work with quiet, reverent, and unobtrusive recognition of the immanence of divine power,—of the Majesty, Dominion, and Might, known to men by many names, revered by us in the words that we learned from our mothers' lips, Almighty God, the Father everlasting.

Another danger, thirty years ago, was that of conflict between the advocates of classical and scientific study. For many centuries Greek and Latin were supreme in the faculty of liberal arts, enforced and strengthened by metaphysics and mathematics. During the last half century, physical and natural sciences have claimed an equal rank. The promotion has not been yielded without a struggle, but it is pleasant to remember that in this place, no conflict has arisen. Among us, one degree, that of Bachelor of Arts, is given alike to the students of the Humanities and the students of Nature and the degree of Doctor of Philosophy may be won by advanced work in the most remote languages of the past or in the most recent developments of biology and physics. Two illustrious teachers were the oldest members of the original faculty;—one of them universally recognized as among the foremost geometricians of the world,—the other, renowned for his acquaintance with the masters of thought in many tongues, and especially for his appreciation of the writers of ancient Greece, upon whose example all modern literature is based.

Our fathers spoke of 'Church and State,' and we but repeat their ideas when we say that universities are the promoters of pure religion and wise government. This university has not been identified with political partisanship,—though, its members, like all patriots, have held and expressed their opinions upon current questions, local and national. Never have the political views of any teacher helped or hindered his preferment; nor have I any idea what would be the result of the party classification of our staff. This, however, may be claimed. The study of politics, in the sense of Freeman, 'History is past politics, and politics present history,' has been diligently promoted. The principles of Roman law, international arbitration, jurisprudence, economics, and institutional history have here been set forth and inculcated,—so that in every part of the land, we can point to our graduates as the wise interpreters of political history, the strong promoters of democratic institutions, the firm believers in the merit system of appointments, and in local self-government.

A phrase which has lately been in vogue is original research. Like all other new terms, it is often misapplied, often misunderstood. It may be the highest occupation of the human mind. It may be the most insignificant. A few words may therefore be requisite to explain our acceptance of this word. When this university began, it was a common complaint, still uttered in many places, that the ablest teachers were absorbed in routine and were forced to spend their strength in the discipline of tyros, so that they had no time for carrying forward their studies or for adding to human knowledge. Here the position was taken at the outset that the chief professors should have ample time to carry on the higher work for which they had shown themselves qualified, and also that younger men, as they have evidence of uncommon qualities, should likewise be encouraged to devote themselves to study. Even those who were candidates for degrees were taught what was meant by profitable investigation. They were shown how to discover the limits of the known; how to extend, even by minute accretions, the realm of knowledge; how to cooperate with other men in the prosecution of enquiry; and how to record in exact language, and on the printed page, the results attained. Investigation has thus been among us the duty of every leading professor, and he has been the guide and inspirer of fellows and pupils, whose work may not bear his name, but whose results are truly products of the inspiration and guidance which he has truly bestowed.

The complaint was often heard, in the early seventies, that no provision was made in this country for post-graduate work except in the three professional schools. Accordingly, a system of fellowships, of scholarships, and of other provisions for advanced study was established here, so well adapted to the wants of the country at that time that its provisions have been widely copied in other places. It now seems as if there was danger of rivalry in the solicitation of students, which is certainly unworthy, and there is danger also that too many men will receive stipendiary encouragement to prepare themselves for positions they can never attain. In the early days of the French Academy when a seat in that body was a very great prize, a certain young man was told to wait until he was older, and the remark was added that in order to secure good speed from horses, a basket of oats should always be tied to the front of the carriage pole as a constant incitement. It would indeed be a misfortune if a system of fellowships should be open to this objection. Nevertheless, whoever scans our register of Fellows will discover that many of the ablest men in the country, of the younger generation, have here received encouragement and aid.

When this university began the opportunities for scientific publication in this country were very meager. The *American Journal of Science* was the chief repository for short and current papers. The memoirs of a few learned societies came out at slow intervals and could not be freely opened to investigators. This university in the face of obvious objection determined to establish certain journals which might be the means of communication between the scholars of this country and those abroad. Three journals were soon commenced: The *American Journal of Mathematics;* the *American Journal of Philology;* the *American Chemical Journal.* Remember that these were 'American' journals, in fact as well as in name, open to all the scholars of the country. Other periodicals came afterwards, devoted to History and Politics, to Biology, to Modern Languages, to Experimental Medicine and to Anatomy. Moderate appropriations were made to foreign journals, of great importance, which lacked support, the English *Journal of Physiology* and the German *Journal of Assyriology.* Nor were the appropriations of the Trustees restricted to periodical literature. Generous encouragement was given to the publication of important treatises, like the researches of Dr. Brooks upon *Salpa;* to the physiological papers of Dr. Martin; to the studies in logic of Mr. Peirce and his followers; to Professor Rowland's magnificent photographs of the solar spectrum; to the printing of a facsimile of the earliest Christian document after the times of the Apostles; and recently, with the cooperation of the University of Tübingen, to the exact reproduction by Dr. Bloomfield of a unique manuscript which has an important bearing upon comparative philology.

I am not without apprehensions that our example to the country has been infelicitous, not less than thirty institutions being known to me, which are now engaged in the work of publication. The consequence is that it is almost impossible for scholars to find out and make use of many important memoirs, which are thus hidden away. One of the problems for the next generation to solve is the proper mode of encouraging the publication of scientific treatises.

I cannot enumerate the works of scholarship which have been published without the aid of the university by those connected with it,—studies in Greek syntax, in mathematics, in history, in chemistry, in medicine and surgery, in economics, in pathology and in many other branches. The administration now closing can have no monument more enduring than the great mass of contributions to knowledge, which are gathered (like the cairn of boulders and pebbles which commemorates in Cracow, the burial place of Kosciusko), a bibliothecal cairn, in the office of the Trustees, to remind every officer and every visitor of our productivity in science and letters.

There are many who believe that the noblest work in which we have engaged is the advancement of medical education and science. Several agencies have been favorable. The munificence of the founder established a hospital, which was recognized as soon as it was opened, as the foremost of its kind in Christendom. He directed that when completed it should be a part of the University and, accordingly, when the time came for organizing a medical and surgical staff, the principal professors were simultaneously appointed to the chairs of one institution, to the clinics of the other. They were to be constantly exercised in the relief of suffering and in the education of youth. For the lack of the requisite funds, the University at first provided only for instruction in those scientific branches which underlie the science of medicine. At length, the organization of the school of medicine was made possible by a very large gift of money, received from a lady of Baltimore, who was familiar with the requirements of medical science, and eager to see that they were met. By her munificence the University was enabled to organize and maintain that great department, which now reflects so much honor upon this city and which does so much by example, by publication, by systematic instruction, and by investigation to carry forward those varied sciences, anatomy, physiology, physiological chemistry, pharmacy, pathology, and the various branches of medicine and surgery. In accordance with the plans of the University, the generous donor made it a condition of her gift that candidates for the degree of Doctor of Medicine should be those only who had taken a baccalaureate degree based upon a prolonged study of science and the modern languages. A four years' course of study was also prescribed and women were admitted to the classes upon the same terms as men. The liberal and antecedent aid of women throughout the country in the promotion of these plans is commemorated by a building inscribed 'the women's fund memorial building.' The excellent laboratory facilities, the clinical opportunities, the organization of a training school for nurses, and especially the ability of the physicians and surgeons have excited abundant emulation and imitation in other parts of the country,—a wonderful gain to humanity. It is more and more apparent among us that a medical school should be a part of a university and closely affiliated with a hospital. It is also obvious that the right kind of preliminary training should be antecedent to medical studies.

I must ask the indulgence of our friends from a distance as I now dwell, for a moment, on the efforts which have been made to identify the Johns Hopkins University with the welfare of the city of Baltimore and the State of Maryland. Such a hospital and such medical advisers as I have referred to are not the only benefits of our foundation. The journals, which carry the name of Baltimore to every learned society in the world are a minor but serviceable advantage. The promotion of sanitary reform is noteworthy, the study of taxation and in general of municipal conditions, the purification of the local supply of water, the advancement of public education by courses of instruction offered to teachers, diligent attention to the duties of charity and philanthropy, these are among the services which the faculty have rendered to the city of their homes. Their efforts are not restricted to the city. A prolonged scientific study of the oyster, its life history, and the influences which help or hinder its production, is a valuable contribution. The establishment of a meteorological service throughout the State in connection with the Weather Bureau of the United States is also important. Not less so is the Geological Survey of Maryland, organized with the cooperation of the United States Geological Survey, to promote a knowledge of the physical resources of the State, exact maps, the improvement of highways, and the study of water supplies, of conditions favorable to agriculture, and of deposits of mineral wealth, within this region. To the efficiency of these agencies it is no doubt due that the State of Maryland has twice contributed to the general fund of the university.

Nor have our studies been merely local. The biological laboratory, the first establishment of its kind in this country, has carried forward for many years the study of marine life at various points on the Atlantic and has published many important memoirs, while it has trained many able investigators now at work in every part of the land. Experimental psychology was here introduced. Bacteriology early found a home among us. The contributions to chemistry have been numerous and important. Here was the cradle of Saccharine, that wisely diffused and invaluable concentration of sweetness, whose manufacturers unfortunately do not acknowledge the source to which it is due. In the physical laboratory, light has been thrown upon three fundamental subjects:—the mechanical equivalent of heat, the exact value of the standard ohm, and the elucidation of the nature of the solar spectrum. For many years this place was the chief seat in this country for pure and advanced mathematics. The study of languages and literature, oriental, classical, and modern, has been assiduously promoted. Where has the Bible received more attention than is given to it in our Semitic department? where the study of ancient civilization in Mesopotamia, Egypt, and Palestine? where did the Romance languages, in their philological aspect first receive attention? To American and institutional history, persistent study has been given. Of noteworthy significance also are the theses required of those who are admitted to the degree of Doctor of Philosophy, which must be printed before the candidate is entitled to all the honors of the degree.

I might enlarge this category, but I will refrain. The time allotted to me is gone. Yet I cannot sit down without bringing to your minds the memories of those who have been with us and have gone out from us to be seen no more: Sylvester, that profound thinker devoted to abstractions, the illustrious geometer whose seven prolific years were spent among us and who gave an impulse to mathematical researches in every part of this country; Morris, the Oxford graduate, the well trained classicist, devout, learned, enthusiastic, and helpful, most of all in the education of the young; accomplished Martin, who brought to this country new methods of physiological enquiry, led the way in the elucidation of many problems of profound importance, and trained up those who have carried his methods to every part of the land; Adams, suggestive, industrious, inspiring, versatile, beneficent, who promoted, as none had done before, systematic studies of the civil, ecclesiastical, and educational resources of this country; and Rowland, cut down like Adams in his prime, honored in every land, peer of the greatest physicists of our day, never to be forgotten in the history of physical science. I remind you also of the early student of mathematics, Thomas Craig, and of George Huntington Williams, the geologist, whose memory is cherished with admiration and love. Nor do I forget those who have here been trained to become leaders in their various departments throughout the country. One must be named, who has gone from their number, Keeler, the gifted astronomer, who died as the chief of the Lick Observatory in California, whose contributions to astronomical science place him among the foremost investigators of our day; and another, the martyr Lazear, who, in order that the pestilence of yellow fever might be subdued, gave up his life for humanity.

> Like clouds that rake the mountain summit,
> Or waves that own no curbing hand,
> How fast has brother followed brother
> From sunshine to the sunless land.

It is sad to recall these interrupted careers. It is delightful to remember the elevated character of those I have named, and delightful to think of hundreds who have been with us, carriers to distant parts of our country and to other lands of the seeds which they gathered in our gardens of science. It is delightful to live in this age of bounty; it is delightful to know that the citizens of Baltimore who in former years have supplemented the gifts of the founder by more than a million of dollars have come forward to support a new administration with the gift of a site of unsurpassed beauty and fitness. A new day dawns. ''It is always sunrise somewhere in the world.''

INAUGURAL ADDRESS.[*]

IT has been said that 'old men tell of what they have seen and heard, children of what they are doing, and fools of what they are going to do.' Your speaker, fearing to furnish data that may suggest to you his place in this system of classification, prefers this morning to deal with matters that are largely independent of time.

The American University as distinguished from the College is a comparatively recent product of evolution—or of creation. Being young, its character is not fully developed, and we can only speculate in regard to its future. On an occasion of this kind, when one of the young universities of the country is celebrating in a quiet way the twenty-fifth anniversary of its foundation, and when a new presiding officer makes his first appearance before a large assembly, it seems fitting that he upon whom has been placed the responsibility of guiding, for the present, the affairs of the University, should take the opportunity thus afforded of giving expression to a few thoughts that suggest themselves when one begins to reflect upon the significance of the University movement in this country. Everyone at all acquainted with educational matters knows that the differentiation of the University from the College is the most characteristic fact in the history of higher education during the past quarter century. It is well that we should ask ourselves, What does this tendency mean? Whither is the movement likely to carry us?

While, from the beginning, the authorities of the Johns Hopkins University have maintained a collegiate department as well as a graduate or university department, and have endeavored to make this as efficient as possible under existing circumstances, the subjects that present themselves in connection with this branch of our work are so familiar and have been so much discussed that I can pass over them now without danger of giving the impression that we consider these subjects of less importance than those more directly connected with the work of the University. At all events, in what I shall have to say, I propose to confine myself to the latter.

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[*] By President Remsen, on the occasion of his inauguration as President of the Johns Hopkins University.